

ABSTRACTS

Friedel-Crafts acylation process in ionic liquids

5 A preparation process of aromatic ketones by a Friedel-Crafts acylation reaction in an ionic liquid of formula (I), in the absence of any other catalyst and/or solvent. In formula (I), $[Q]^+$ is selected from substituted-imidazolium cations, substituted-pyridinium cations, ammonium cations, and phosphonium cations. It allows to carry out Friedel-Crafts acylations with good yields and

10 high selectivity in para position of the Friedel-Crafts aromatic substrate without using chlorine-containing solvents and conventional Friedel-Crafts catalysts. It is industrially useful because provides a "Green Chemistry" technology for carrying out Friedel-Crafts acylations of general applicability.

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(I)